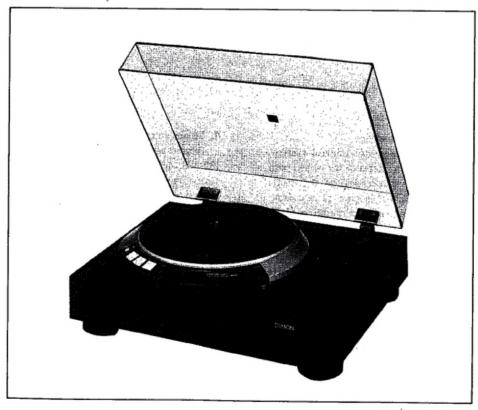
Hi Fi Component/Turntable

DENON

SERVO-CONTROLLED DIRECT DRIVE TURNTABLE

MODEL DP-55K



Model DP-55K

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FEATURES

1. Magnetic recording for speed detection

DENON originated this unique motor control system, which uses a magnetic recording method for speed and phase detection. 1000 pulses are recorded on the inside rim of the platter with the highest degree of accuracy. This creates a high detecting frequency eliminating phase lagging of the servo system, and accordingly over-shoot, wow and flutter.

2. 99.998 % accurate speed: Phase-controlled by quartz oscillation

The rotation speed is highly stabilized by a timing clock based on quartz oscillation. This is very stable against changes of temperature or time. By the use of the Phase-locked loop method, the speed is virtually unaffected by load or supply voltage fluctuations.

3. Bidirectional servo and electronic brake

The bidirectional servo delivers quick, smooth starts and speed changes. Smooth stopping is accomplished by the electronic brake.

4. Strobe scope lit synchronously to quartz oscillation

Regardless of the difference of the rotational speed (33-1/3, 45) or the power frequency (50 Hz, 60 Hz), the strobe lamps are lit by an accurate frequency of quartz crystal oscillator. Only one strobe pattern is required and is, therefore, easier to read.

5. Replaceable tonearm board

The tonearm board can be detached by removing 4 screws. It is convenient not only for installation but for changing tonearms mounted on extra boards.

6. Turntable mat designed to damp vibration

The turntable mat has been developed through vibration analysis through laser holography. It damps the vibration of the disc to improve clear sound reproduction.

SPECIFICATIONS

Phono motor

Drive system:

Direct drive AC motor 33-1/3 rpm, 45 rpm.

S/N:

Wow and flutter: 0.015 % wrms (see note) More than 78 dB (DIN-B)

Rise time:

Less than 2.0 sec. (33-1/3 rpm)

Platter:

Speeds:

Diecast aluminium 300 mm diameter

Moment of inertia, 200 kg-cm² (0.2 Nm²)

including turntable mat

Motor: AC servo motor Speed control system:

Speed servo control by frequency detection system combined with phase control system with reference to quartz crystal

oscillator.

Load influence: 0 % at out-most groove with tracking

force of 100 g (0.98 N)

Speed deviation: Less than 0.002 % Brake system:

Electronic brake

Note: Measured by DENON's method using magnetic pulse wheel.

General

Rated voltage and frequency are shown Power supply:

on the rating label at the back of cabinet and/or on the label attached to the power

supply cord.

Power consumption:

Approx, 18 W

Dimensions:

510 W x 425 D x 185 H mm

(Dust cover closed)

Weight:

Approx. 13 kg

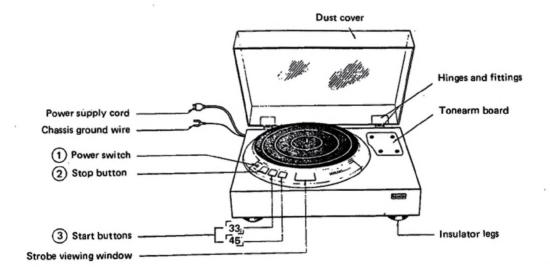
Tonearm board: Replaceable

All specifications and outward appearance are subject to alteration for improvement without notice.

Changing the rated frequency

This turntable can be used compatibly on power supply frequencies of 50 Hz and 60 Hz.

NAMES OF PARTS AND OPERATION



1 Power switch

Use to turn the power on (___) and off (___). The power is turned on when the switch is pressed. The lamps in the stop button and in the strobe scope light. When pressed again, the power is turned off and the lamps are turned off.

(2) Stop button

Use to stop turntable platter rotation. When pressed, the lamp in the stop button lights and the platter stops.

(3) Start buttons

Use to start turntable platter rotation. When one of the buttons is pressed, the lamp in the button lights and the platter starts rotating at the specified speed.

Press:

33 for a 33-1/3 rpm record, and 45 for a 45 rpm record.

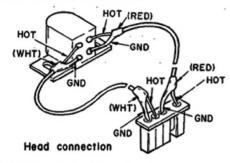
ADJUSTMENT

Adjustment of spacing between detection head and platter:

Adjust the spacing so that it may represent abt. 0.15 mm between the magnet-coated surface of platter and detection head. Depending upon the degree of the spacing, the condition of stop will vary. Consequently, adjustment should be made in such a way that the platter without the turntable sheet on glides slightly forward when stopping.

NOTE:

When the magnetic head is replaced, make sure that the terminal connection is as shown in the figure below. Otherwise, the platter may turn reversely.



2. Confirming the regulator voltage:

Since the power source employs a fixed voltage 3-terminal IC, confirm that the output voltage of IC5 and represents 5V±0.2V. (No adjustment is feasible.)

3. RPM Adjustment:

(1) Pull out the lead wire through test points 39 and 41 (3P connecting pin) on motor servo P.C. Board KU-385 and connect 39 to positive side of the oscilloscope while 41, earth side.

PARTS LIST

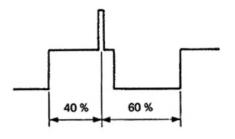
PS-150 POWER SUPPLY UNIT

	Ref. No.	Part No.	Part Name	Rema	rk	
	SEMI CONDUCTOR GROUP					
	TR1	2710141008	2SA768			
	D1	2760218017	HZ-9A-2			
	D2	2760049008	1S2076			
	RESI	STOR GROUP				
				Carbon fil	m	
	R1	2412078000	RD14B2E271J	270Ω	%W	
	R2	2412100004	RD1482E222J	2.2KΩ	%W	
	R3	2410161003		100Ω	%W_	
Δ	TA S	2400163001	RO1AB2H121J	1200	W	
	CAPA	CITOR GROU	IP .			
				Ceramic		
	C1	2531026001	CK45F1H473Z	0.047µF	50V	
				Oil		
Δ	62,63	2518001023	CP05C-MAC473MCE	0 04 10F		
			seen to a like	A. A.	OVAC	
	ОТНЕ	R PARTS GR	OUP			
Δ		2228356000.	POWER SUPPLY P.C.B.	100		
Δ		2398001007	LINE FILTER COIL		e de	
_		2050082034	3P WRAPPING TERMINAL			
		2061036008	FUSE		163A	

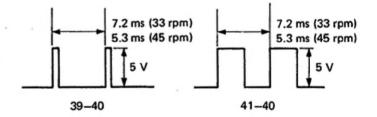
- (2) Adjust the speed to 45 RPM; observing the waveform by means of an oscilloscope, Adjust VR2 so that the pulse may occur at the 40% position from the left of the pulse side of the half-cycle in a cycle of a square wave as shown in the figures below.
- (3) Subsequently adjust VR1 for 33 RPM in the same manner as in the case of 45 RPM so that the pulse may be positioned at 40% of the square wave cycle.

(Reference)

Following are the waveforms of test points 39-40 and 41-40: (Test Point 40 is grownd.)



(Reference)
Following are the waveforms of test points 39—40 and 41—40:



PS-154 (Canadian model only)

Ref. No.	Part No.	Part Name	Remarks			
SEMI CONDUCTOR GROUP						
TR1	2710141008	2SA768				
D1	2760218017	HZ-9A-2				
D2	2760049008	IS2076				
RESISTOR	GROUP					
			Carbon film			
R1	2412078000	RD14B2E271J	270Ω ¼W			
R2	2412100004	RD14B2E222J	2.2KΩ ¼W			
R3	2410161003	RD14B2H101J	100Ω 1/2W			
R4 2410163001 (RD14B2H121J (4) 多数126の以W						
CAPACITOR GROUP						
			Ceramic film			
C1	2531026001		0.047µF 50V			
02.03	2568019010	CF93B2BAC473M	0.047#F			
			125VAC			
OTHER PA	RTS GROUP					
OUT OF THE	2228356000	POWER SUPPLY P	EB A			
1000	2398001007	LINE FILTER CO	E SOLA SO			
	2050082034	3P WRAPPING TE				
	EP-72661	FUSE	630mA 250V			

KU-385 MOTOR SERVO AMP UNIT

Ref. No. Part. No. Part Name Remark	
IC3	k
IC4	
IC1, 2	
IC5	
IC7	
↑ TR7.12 2710100010 2SA879 ⊕ (R) TR8, 11, 15 2710113007 2SA999 (F) TR17 2720025004 2SB562 (C) TR16, 18 2720046009 2SB561 (C) TR16, 18 27300196004 2SC2023 (Z) TR19 2730111021 2SC2131 (C) ↑ D24 27 2760280003 ↑ ↑ P23 26 2760057029 906E D1~22, 41~44 27600291005 1N60 D45 2760029003 1N60 R105 2410270004 RD1482E100J 100J R105 2410280007 RD1482E150J 150J R66,7 2410280001 RD1482E60J 68ΩJ R66,7 2410290000 RD1482E60J 68ΩJ R85 2410300000 RD1482E63J 39ΩJ R92~94 2410304006 RD1482E61J 390ΩJ R86 2410304006 RD1482E61J 390ΩJ R87 2410304006 RD1482E61J 390ΩJ R88 2410314009 RD1482E51J 150	
TR8, 11, 15	3 5
TR17 TR16, 18 2720046009 TR1~6, 14 2730021043 2SE561 (C) 2SE561 (C) 2F1013 TR19 2730111021 2SC1213 (C) D24 27 2760280003 D1~22, 2760049008 D1~22, 2760049008 D1~22, 2760049008 D37~40 D45 D45 D45 D45 D40 D45 D45 D45 D45 D45 D46 D47	A Pad
TR1~6, 14 2730021043 2SC458 (D) FR10 33 2730196004 2SC2023 (Z) TR19 2730111021 2SC1213 (C) D24 27 2760280003 HB154. D24 27 2760087029 V06E D1~22, 41~44 D29~32 2760090003 1N60 D37~40 3939041001 LN81RP (HL) LED RESISTOR GROUP R67, 69 2410266005 RD1482E150J 15ΩJ 2760010 R101, 102 2410280007 RD1482E390J 39ΩJ 276027004 R101, 102 2410280007 RD1482E390J 39ΩJ 276027004 R101, 102 2410280007 RD1482E390J 39ΩJ 27600000 R85 2410300000 RD1482E101J 10ΩΩJ 27600000 R85 2410300000 RD1482E331J 330ΩJ 27600000 R5, 13 241030000 RD1482E331J 330ΩJ 27600000 R5, 13 241030000 RD1482E331J 39ΩΩJ 27600000 R5, 13 241030000 RD1482E331J 39ΩΩJ 27600000 R5, 13 241030000 RD1482E331J 39ΩΩJ 27600000 R5, 13 2410304006 RD1482E331J 39ΩΩJ 27600000 R5, 13 2410304006 RD1482E301J 100ΩJ 27600000 R5, 13 2410304006 RD1482E301J 100ΩJ 2760000 R01482E3000 RD1482E3000 RD1482E	
Λ FR10, 13 2730196004 28C2023 (Z) TR19 2730111021 28C1213 (C) A D24, 27 2760280003 BB 154 Λ D23, 26 2760057029 V06E D1~22, 41~44 27600291005 V06A D45 27600291005 V06A D45 276002003 1N60 D37~40 3939041001 LN81RP (HL) LED RESISTOR GROUP R66, 69 2410266005 RD1482E100J 10ΩJ R101, 102 2410280007 RD1482E150J 15ΩJ R66, 77 2410280007 RD1482E680J 68ΩJ R85 2410300000 RD1482E680J 68ΩJ R85 2410300000 RD1482E331J 330ΩJ R86 2410304006 RD1482E331J 390ΩJ R87 2410306004 RD1482E331J 390ΩJ R88 2410314009 RD1482E561J 560ΩJ R88 2410314009 RD1482E102J 1KΩJ R81, 92, 24 2410322004 RD1482E332J <td></td>	
TR19	***********
Λ D24.27 2260280003 RB154 Λ D23.26 2760057029 V06E D1-22, 41~44 229~32 2760049008 152076 A4 ~44 29~32 27600291005 V06A D45 2760002003 1N60 LN81RP (HL) LED RESISTOR GROUP R67, 69 2410266005 RD1482E100J RD1482E150J 15ΩJ R105 2410270004 RD1482E390J 39ΩJ 39ΩJ 4666,77 R66, 77 2410286001 RD1482E390J 39ΩJ 468ΩJ 468ΩJ 468ΩJ 468ΩJ 468ΩJ 468ΩJ 468ΩJ 470ΩJ 470ΩJ <td></td>	
D23 26	
D1~22,	-
D29~32	
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Resistor Group RD1482E150J RD1482E391J RD1482E150J RD1482E391J RD1482E391J RD1482E391J RD1482E391J RD1482E331J RD1482E331	
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46, 47, 49, 50, 52, 53, 55, 65, 75 R95, 96 2410342000 RD14B2E153J 15KΩJ ¼ R29, 35, 37, 2410346006 RD14B2E223J 22KΩJ ¼	
50, 52, 53, 55, 65, 75 R95, 96 2410342000 RD14B2E153J 15KΩJ ¼ R27 2410344008 RD14B2E183J 18KΩJ ¼ R29, 35, 37, 2410346006 RD14B2E223J 22KΩJ ¼	W
55, 65, 75 R95, 96 2410342000 RD14B2E153J 15KΩJ ¼ R27 2410344008 RD14B2E183J 18KΩJ ¼ R29, 35, 37, 2410346006 RD14B2E223J 22KΩJ ¼	
R95, 96 2410342000 RD14B2E153J 15KΩJ ¼ R27 2410344008 RD14B2E183J 18KΩJ ¼ R29, 35, 37, 2410346006 RD14B2E223J 22KΩJ ¼	
R27 2410344008 RD14B2E183J 18KΩJ ¼ R29, 35, 37, 2410346006 RD14B2E223J 22KΩJ ¼	18/
R29, 35, 37, 2410346006 RD14B2E223J 22KΩJ %	
R2, 7, 10, 2410354001 RD14B2E473J 47KΩJ ¼	
15, 38,	
103, 104	
R3, 11, 33, 2410362006 RD14B2E104J 100KΩJ %	W
34, 40 R36, 87 2410366002 RD14B2E154J 150K0J W	16/
R56 2410370001 RD14B2E224J 220KΩJ ½I R4, 12, 57 2410378003 RD14B2E474J 470KΩJ ½I	
R21 2410759004 RD14B2E564J 560KΩJ ¾	
300K323 %	••

PS-152 FUSE UNIT

Ref. No.	Part No.	Part Name	Remarks
	2228374105	FUSE P.C.B.	

R62	_				
R63, 73 R60 2452180000 R01482E10SJ Metal film 820ΩF R97 245219004 R014K2E821F R98 2452214002 R014K2E472F R98 2452221008 R014K2E203F R014K2E20F R014K2E20F R014K2E20F R014K2E20F R014K2E20F R014K2E20F R014K2F R014K	L		Part. No.	Part Name	Remark
R60 R97 2452180000 245219004 R98 RN14K2E821F 245221002 RN14K2E393F R61 Metal film 820ΩF A7KΩF 29KΩF Metal oxic 39KΩF 56KΩF Metal oxic 39KΩF 56KΩF Metal oxic 39KΩF 56KΩF Metal oxic 39KΩF 56KΩF Metal oxic 39KΩF 56KΩF Metal oxic 39KΩF 56KΩF Metal oxic 47µF 10µF CAPACITOR GROUP CE04W1A470= C4, 5, 9, 10, 17 EP-5462-13 2544015009 CE04W1C100= 10 10µF Electroliti 47µF 10µF 10µF C27, 29 C31 2544064002 2544086009 CE04W1C220= C27, 29 2544086009 CE04W1HR47= C25, 26 22µF 100µF 2-220µF 0.47µF 12µF C18 C25, 26 25440404009 2540404009 CE04W1H010=					680KΩJ ¼W
R60 R97 2452199004 RN14K2E821F R98 2452214002 R61 2452216008 RN14K2E823F RN14K2E833F S9KΩF R59 2452225004 RN14K2E833F S6KΩF Metal oxic S6KΩF Metal oxic VR1, 2 EP-5462-13 SOLID VOLUME C2, 7, 45 C4, 5, 9, 10, 17 C28 C27, 29 2544054002 C27, 29 2544064002 C1, 6, 22, 46 C25, 26 C544044009 C25, 26 C14, 15 C50 C16 C2551062003 C14, 15 C50 C16 C2551121038 C40, 41 C551070008 C13 C40, 41 C55106002 C14, 15 C55106002 C15, 2551064001 C14, 15 C55106002 C15, 2551064001 C16 C25, 26 C351064001 C16 C25, 26 C351064001 C16 C351 C40, 41 C55106002 C13 C551064001 C14, 15 C551064001 C15 C16 C25, 26 C351064001 C16 C17 C18 C25, 26 C351064001 C18 C40, 41 C551070008 C93M1H222K C093M1H223K C093M1H223K C093M1H223K C093M1H23K C093M1H2	F	R63, 73	2410765001	RD14B2E105J	1MΩJ ¼W
R97 R98 R98 2452199004 RN14K2E203F R61 2452221008 RN14K2E393F R69 2452221008 RN14K2E593F R69 R69 2452225004 RN14K2E563F Metal 0xic F69 R69 R74,81 2440005029 RS14B3A010JNBF R59 CAPACITOR GROUP C2, 7, 45 C4, 5, 9, 10, 17 C28 C27, 29 C244015009 C1, 6, 22, 46 C254408009 C1, 6, 22, 46 C2540409002 C25, 26 C254404009 C25, 26 C254404009 C25, 26 C2540404009 C25, 26 C2540404009 C25, 26 C2540404009 C25, 26 C251064001 C14, 15 C2551064001 C14, 15 C2551064001 C14, 15 C2551064001 C150 C25 C16 C2551121038 C393M1H52K C40, 41 C2551070008 C45511403C C42~43 C23, 24 C331024003 C447+R103C C42-43 C23, 24 C531009002 CK45B1H102K C0,005@µF C24-43 C23, 24 C531009002 CK45B1H682K C0,006@µF C0,006@	١.				Metal film
R98 R61 R61 245221008 R61 R62 R63 R64 R659 2452221008 R74.81 R659 2452225004 R74.81 R74.81 R74.82 R74.81 R74.82 R74.84 R74.82 R74.84					820ΩF ¼W
R61 R59 2452221008 R59 2452225004 RN14K2E593F RN14K2E563F Metal oxic F74, 81 2440005029 RS14B3A010JNBF 131_31 Variable oxic V		-			4.7KΩF ½W
R59 2452225004 RN14K2E563F 56KΩF Metal oxic M	1 '				
Metal oxider	1				56KΩF ¼W
AR74, 81 2440005029 RS14B3A010JNBF 1Ω 3 VR1, 2 EP-5462-13 SOLID VOLUME Variable rd CAPACITOR GROUP CE04W1A470= 10KΩB C2, 7, 45 2544009002 CE04W1A470= 47μF C4, 5, 9, 10, 17 2544015009 CE04W1C20= 22μF C27, 29 2544018006 CE04W1C20= 22μF C1, 6, 22, 46 2544043000 CE04W1HR47= 0.47μF C18 2551062003 CC93M1H722K 0.0022μF C14, 15 2551070008 CQ93M1H62K 0.0022μF C16 2551121038 CQ93M1H23K 0.012μF C40, 41 2551076002 CQ93M1H23K 0.022μF C13 2551084007 CQ93M1H563L 0.056μF C19 2551090002 CK45B1H102K 0.0068μF C20,21,48,49 2531004007 CK45B1H102K 0.0068μF C23, 24 2531024003 CK45F1H103Z 0.01μF C30 2531027000 CK45F1H103Z 0.01μF C11, 12 25336190	i i		2402220004	1	
VR1, 2 EP-5462-13 SOLID VOLUME Variable not 10KΩB CAPACITOR GROUP C2, 7, 45 2544009002 CE04W1A470= CE04W1C100= 10μF 47μF 10μF C4, 5, 9, 10, 17 2544015009 CE04W1C100= 10μF 10μF C27, 29 2544018006 CE04W1C20= CE04W1C20= CE04W1E20= CE04W1E20= CE04W1E47= CE04W1E47	2 1	R74, 81	2440005029	RS14B3A010JNB	
C2, 7, 45 C4, 5, 9, 10, 17 C28 C27, 29 C2544015009 C31 C25, 26 C254404009 C31 C25, 26 C254404009 C31 C25, 26 C254404009 C31 C31 C34009002 C34018006 C34018006 C34018009 C40180009 C4018009 C40180009 C40180000 C40180000 C40180000 C40180000 C40180000 C401800000 C401800000 C40180000 C401800000 C401800000 C401800000 C401800000 C4018000000 C40180000	1	Farming Loding .	Sa man can a " a de de " free	enter at the second	Variable resistor
C2, 7, 45 C4, 5, 9, 10, 17 C28 C27, 29 C2544018006 C31 C31 C34, 6, 22, 46 C25, 26 C54404009 C55, 26 C54404009 C550 C50 C50 C50 C50 C50 C50 C51 C14, 15 C50 C50 C51 C14, 15 C551064001 C14, 15 C551064001 C15 C16 C2551121038 C40, 41 C41 C551122011 C19 C551122011 C19 C2551084007 C293M1H04K C20, 21, 48, 49 C23, 24 C2531024003 C23, 24 C2531024003 C33M1H104K C42~43 C551084007 C42~43 C551084007 C42-43 C551084007 C4551141032 C64581H102K C60088μF C61 C70, 21, 48, 49 C71, 42 C73, 42 C73, 42 C73, 43 C74	1	VR1, 2	EP-5462-13	SOLID VOLUME	10ΚΩΒ
C2, 7, 45 C4, 5, 9, 10, 17 C28 C27, 29 C2544018006 C31 C31 C34, 6, 22, 46 C25, 26 C54404009 C55, 26 C54404009 C550 C50 C50 C50 C50 C50 C50 C51 C14, 15 C50 C50 C51 C14, 15 C551064001 C14, 15 C551064001 C15 C16 C2551121038 C40, 41 C41 C551122011 C19 C551122011 C19 C2551084007 C293M1H04K C20, 21, 48, 49 C23, 24 C2531024003 C23, 24 C2531024003 C33M1H104K C42~43 C551084007 C42~43 C551084007 C42-43 C551084007 C4551141032 C64581H102K C60088μF C61 C70, 21, 48, 49 C71, 42 C73, 42 C73, 42 C73, 43 C74	10	CAPACITOR	GROUP		
C2, 7, 45 C4, 5, 9, 10, 17 C28 C27, 29 C2544018009 CE04W1C20= C27, 29 C544086009 CE04W1C101= C31 C25, 26 C25, 26 C254004009 CE04W1E222= C2047 C25, 26 CE04W1E222= CE04W1E222= CE04W1HR47= CE04W1E22E CE04W1E2E CE04W1E22E CE04W1E22E CE04W1E22E CE04W1E22E CE04W1E22E CE04W1E2E CE04W1E22E CE04W1E22E CE04W1E22E CE04W1E22E CE04W1E22E CE04W	-	JAI AUTTON	GROOF		
C4, 5, 9, 10, 17 C28	1,	22 7 45	2544000000	05044444	Electrolitic
17 C28 C27, 29 C2544018006 C31 C544086009 C1, 6, 22, 46 C25, 26 C2544044009 C25, 26 C2544044009 C25, 26 C2540041001 C18 C38 C50 C50 C50 C551064001 C14, 15 C351121038 C40, 41 C40, 41 C551076002 C13 C2551122011 C19 C2551084007 C42~43 C35 C30, C2531024003 C30, C331024003 C30, C331024003 C30, C331024003 C351027000 C41, 12 C353619005 C45SL1H470J C47F C50 C50 C50 C50 C50 C551084007 C45SL1H470J C50 C604W1H010= C604W1HR47= C604W1HR48 C093M1H28H C001014µF C6023M1H28H C0012µF C603M1H28H C00012µF C603M1H28H C0012µF C603M1H28H C00012µF C42-43 C034M1H28H C00012µF C603M1H28H C00012µF C604M1H18A C00012µF C604M1H18A C00014µF C60012µF C604M1H1010= C604W1H010= C604W1H0010 C604W1H184 C60012µF C604W1H0010 C604W1H162B C604W1H16					47μF 10V
C28 C27, 29 C31 C31 C34086009 C544086009 C5440416101= C25, 26 C544044009 C55, 26 C544044009 C55, 26 C551062003 C50 C50 C551064001 C14, 15 C55 C16 C2551070008 C16 C40, 41 C2551070002 C13 C19 C19 C2551084007 C19 C20, 21, 48, 49 C23, 24 C33, C30, C11, 12 C353619005 C54581H102K C093M1H23K C0068μF C0073M1H082K C0073M1H082K C0072μF C007	1		2544015009	CE04W1C100=	10μF 16V
C27, 29 C31 C31 C1, 6, 22, 46 C25, 26 C2544043000 CE04W1HR47= C25, 26 C2544044009 CE04W1H010= C18 C50 C50 C50 C551064001 C14, 15 C551070008 C16 C40, 41 C551121038 C40, 41 C551122011 C19 C2551084007 C19 C20, 21, 48, 49 C23, 24 C31027000 CK45F1H102K C0068µF C01µF CC45SL1H470J CC45SL1H470J CC45F1H104Z CC45SL1H470J CC45SL1H470J CC45SL1H470J CC45SL1H470J CC45F1H104Z CC45SL1H470J	10		2544054002	CEDAWAC220-	22µF 16V
C31 C1, 6, 22, 46 C1, 6, 22, 46 C25, 26 C18 C2544044009 C18 C50 C50 C50 C551064001 C14, 15 C551070008 C16 C40, 41 C551121038 C551062003 C40, 41 C551122011 C19 C2551084007 C42~43 C2551084007 C42~43 C23, 24 C33 C30, C531027000 C445F1H104Z C11, 12 C358010008 CF99=2DAC305J C79	1				
C1, 6, 22, 46 C25, 26 C25, 26 C2544044009 CE04W1H010= 1µF Film C18 C50 C50 C51064001 C14, 15 C50 C51064001 C14, 15 C51070008 C16 C2551121038 C293M1H122K C16 C2551121038 C293M1H222K C10, 2551121038 C293M1H23K C40, 41 C2551076002 C13 C2551122011 C19 C2551084007 CQ33M1H563J C19 C20, 21, 48, 49 C23, 24 C231009002 C445B1H102K C42~43 C23, 24 C2531024003 C445F1H103Z C30, C23, 24 C2531027000 C445F1H104Z C11, 12 C35 C35 C35 C36 C36 C36 C36 C37 C47 C47 C47 C47 C47 C47 C47					
C25, 26 C25, 27 C					
C18					
C50				0-011111010	
C50 C14, 15 C2551064001 C293M1H222K C16 C2551121038 C293M1H23K C40, 41 C2551076002 C13 C2551122011 C19 C2551084007 CQ93M1H563J C19 C2551084007 CQ93M1H04K C20,21,48,49 C23,24 C23,24 C2531024007 C23,24 C2531024003 C30, C2531027000 CK45F1H103Z C30, C2531024003 CK45F1H103Z C31,2533619005 CC45SL1H470J C11, 12 C2533619005 CC45SL1H470J C7PF 50V Metalized A178020400 A178050001 A1780500001 A1780500001 A1780500001 A1780500001 A1780500001 A1780500001 A17805000001 A17805000001 A178050000001 A178050000001 A1780500000000001 A1780500000000000000000000000000000000000	0	C18	2551062003	CQ93M1H152K	0.0015µF 50V
C16 C40, 41 C40, 41 C551076002 C13 C19 C2551122011 C19 C2551084007 CQ93M1H104K CP3M1H04K CP4mic C20,21,48,49 C2531004007 C42~43 C33, C30, C31024003 C30, C11, 12 C353619005 CC458L1H470J C71, 12 C353619005 CC458L1H470J C71, 12 C35 C35 C368013029 CF99=2DAC305J C71, 12 C368013029 CF99=2DAC305J C71, 12 C35 C71, 12 C71,			2551064001	CQ93M1H222K	0.0022µF 50V
C40, 41 2551076002 CQ93M1H223K 0.022μF C13 2551122011 CQ93M1H563J 0.056μF C19 2551084007 CQ93M1H104K 0.1μF Ceramic C20,21,48,49 2531004007 CK45B1H102K 0.001μF C42~43 2531029002 CK45B1H682K 0.0068μF C30, 2531027000 CK45F1H103Z 0.01μF C11, 12 2533619005 CC45SL1H470J 47PF 50\text{Metalized} C35 2568013029 CF99=2DAC305J 3μF AC OTHER PARTS GROUP 2228179203 SERVO AMP P.C.B HEAT SINK FS-7805M 4178020400 HEAT SINK FS-7805M 4178050001 HEAT SINK FS-7805M SK2 EFP0429K SPARK KILLER 2618007008 CRYSTAL 9MHz 2050087026 2P WRAPPING TRANS Pr TERMINAL 9MHz TERMINAL + S.W P.C. 2058010008 PWRAPPING 33/45,	C	C14, 15	2551070008	CQ93M1H682K	0.0068µF 50V
C13			2551121038	CQ93M1H123K	0.012µF 50V
C19 2551084007 CQ93M1H104K 0.1μF Ceramic C20,21,48,49 2531004007 CK45B1H102K 0.001μF C42~43 2531009002 CK45B1H682K 0.0068μF C33, 24 2531024003 CK45F1H103Z 0.01μF C30, 2531027000 CK45F1H104Z 0.1μF C11, 12 2533619005 CC45SL1H470J 47PF 50V Metalized C35 2568013029 CF99=2DAC305J 3μF AC OTHER PARTS GROUP 2228179203					0.022μF 50V
C20,21,48,49 C42~43 C23,24 C23,24 C23,24 C23,24 C23,24 C23,24 C23,24 C23,24 C30, C4581H103Z C30, C4581H103Z C30, C4581H103Z C31,4P C35 C4781H104Z C35 C4781H104Z C35 C4781H104Z C47PF 50\ Metalized C4781	1				
C20,21,48,49 C42~43 C23,24 C23,24 C2531024003 C30, C2531027000 CK45F1H103Z C11,12 C533619005 CC45SL1H470J Metalized C35 C35 C35 C35 C35 C35 C35 C35 C35 C3	10	219	2551084007	CQ93M1H104K	
C42~43 C23, 24 C23, 24 C30, C30, C11, 12 C30, C11, 12 C35 C35 C36 C36 C37 C37 C38	1.	200 04 40 40	2521024007	01/4504114001/	
C23, 24 2531024003 CK45F1H103Z 0.01μF C30, 2531027000 CK45F1H104Z 0.1μF 0.1μF C11, 12 2533619005 CC45SL1H470J 47PF 50\ Metalized	4				
C30, 2531027000 CK45F1H104Z 0.1μF C11, 12 2533619005 CC45SL1H470J 47PF 50\ Metalized ↑ 035 2568013029 CF99=2DAC305J 3μF AC OTHER PARTS GROUP 2228179203 SERVO AMP P.C.B 4178020400 HEAT SINK FS-7805M 4178050001 HEAT SINK FS-7805M 2618007008 CRYSTAL 9MHz 2050087026 2P WRAPPING TRANS PROBLEM TERMINAL 2050082047 4P WRAPPING TERMINAL 2050082047 4P WRAPPING TERMINAL 2050082047 4P WRAPPING SW P.C.B TERMINAL SW P.C.B 45.W P.C.B 47.W P.C.B 4					
C11, 12 2533619005 CC45SL1H470J 47PF 50\ Metalized					
↑ 2568013029 CF99=2DAC305U 3μF AC OTHER PARTS GROUP 2228179203 SERVO AMP P.C.B 4178020400 HEAT SINK 4178050001 HEAT SINK FS-7805M 2618007008 CRYSTAL 2050087026 2P WRAPPING TRANS PROTECTION OF TERMINAL 2050082047 4P WRAPPING TERMINAL 2050082047 4P WRAPPING TERMINAL 2058010008 6P WRAPPING 33/45,					
↑ SK2 2568013029 CF99#2DAC305J 3µF AC OTHER PARTS GROUP 2228179203 SERVO AMP P.C.B 4178020400 HEAT SINK FS-7805M 4178050001 HEAT SINK FS-7805M 2618007008 CRYSTAL 9MHz 2050087026 2P WRAPPING TRANS PR TERMINAL 2050082047 4P WRAPPING MAIN P.C TERMINAL +S.W P.C 2058010008 6P WRAPPING 33/45,	"	,	2303013003	CC455E1114703	Metalized Film
OTHER PARTS GROUP 2228179203 SERVO AMP P.C.B 4178020400 HEAT SINK FS-7805M 4178050001 HEAT SINK FS-7805M EPP0429K SPARK KILLER 2618007008 CRYSTAL 9MHz 2050087026 2P WRAPPING TRANS PROFINAL 2050082047 4P WRAPPING MAIN P.C TERMINAL ↔ S.W P.C 2058010008 6P WRAPPING 33/45,	150	35	2568013029	CF99=2DAC305J	3μF AC200V
2228179203 SERVO AMP P.C.B 4178020400 4178050001 HEAT SINK FS-7805M 4178050001 HEAT SINK FS-7805M EEP0429K SPARK KILLER 2618007008 CRYSTAL 9MHz 2050087026 2P WRAPPING TRANS PROFESSION TERMINAL 2050082047 4P WRAPPING MAIN P.C. TERMINAL + S.W P.C. 2058010008 6P WRAPPING 33/45,	_	والمرجعات المستحدات		AND THE RESERVE OF THE PARTY OF	HART SO CY, TO THOUSAND THE PROPERTY
4178020400 HEAT SINK FS-7805M 4178050001 HEAT SINK FS-7805M FEP0429K SPARK KILLER 2618007008 CRYSTAL 9MHz 2050087026 PWRAPPING TRANS PORT TERMINAL 2050082047 PWRAPPING MAIN P.C TERMINAL + S.W P.C 2058010008 6PWRAPPING 33/45,	1			CERVO ALLO DO	
4178050001 HEAT SINK FS-7805M FEP0429K SPARK KILLER 2618007008 CRYSTAL 9MHz 2050087026 PWRAPPING TRANS PORT TERMINAL 2050082047 4P WRAPPING TERMINAL 2058010008 PWRAPPING 33/45,					5
↑ SK2 FEP0429K SPARK KILLER 2618007008 CRYSTAL 9MHz 2050087026 2P WRAPPING TRANS PROFINAL 2050082047 4P WRAPPING TERMINAL + S.W P.C 2058010008 6P WRAPPING 33/45,					ES.700EM
2618007008 CRYSTAL 9MHz 2050087026 2P WRAPPING TRANS PORT TERMINAL 2050082047 4P WRAPPING MAIN P.C TERMINAL +> S.W P.C 2058010008 6P WRAPPING 33/45,	S	K2	THE COMMERCENCY AND ROOM OF	CONTRACTOR AND AND AND PROPERTY OF THE PERSON OF THE PERSO	ES-1000M
2050087026 2P WRAPPING TRANS PORT TERMINAL 2050082047 4P WRAPPING TERMINAL +> S.W P.C 2058010008 6P WRAPPING 33/45,	1	WINDS TO STATE OF THE PARTY OF	TARREST CO. ST. S. ST. ST. ST. ST. ST. ST. ST. ST.	energiant and the City, N. W. 1987. March V.	9MHz
2050082047 TERMINAL 4P WRAPPING MAIN P.C TERMINAL +> S.W P.C 2058010008 6P WRAPPING 33/45,					
2050082047 4P WRAPPING MAIN P.C TERMINAL +> S.W P.C 2058010008 6P WRAPPING 33/45,		- 1			mano m.
2058010008 TERMINAL ++ S.W P.C 33/45,		1	2050082047		MAIN P.C.B
2058010008 6P WRAPPING 33/45,		İ			↔ S.W P.C.B
			2058010008		
		į.	4		STOP LAMP
2035622008 3P MINI CONNE TEST POI			2035622008		TEST POINT
PIN					
FEP12802 3P MINI CONNE MOTOR			FEP12802	3P MINI CONNE	MOTOR
PIN		1		PIN	
FEP12803 4P MINI CONNE HEAD			FEP12803	4P MINI CONNE	HEAD
PIN				PIN	

∆WARNING:

Shaded aprts are important to SAFETY. Replace always with same type, same rating.

PS-155 FUSE UNIT (Canadian model only)

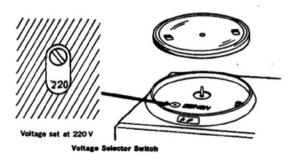
Ref. No. Part No.		Part Name	Remarks
	2228374105	FUSE P.C.B.	

TO CHANGE THE OPERATIONAL VOLTAGES

A. Model whose voltage selector is accessible by the user: (Multi-voltage model)

This equipment has been preset for a line voltage of 220V. Before inserting the power plug, please check if this voltage corresponds with the line voltage in your area. If it does not, be sure to adjust the voltage selector switch to the proper setting before operating this equipment. The voltage selector switch is located on the base surface below the turntable platter. Simply insert a screw driver into the voltage selector switch and turn it in either direction so that the desired voltage marked on the switch is positioned in the window.

Damage of equipment because of missetting of voltage selector is not within the limit of **DENON** liability.



Set the voltage selector in accordance with the nominal power supply voltage as shown in the table.

ACTUAL (nominal) VOLTAGE (volt)	VOLTAGE SETTING
110 115 120	120
200	200
210 220	220
230 240	240

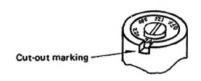
Table 1. Voltage Setting

B. Models whose voltage selector is not accessible by the user:

(Australian, UK and Canadian models)

1 Australian and UK models

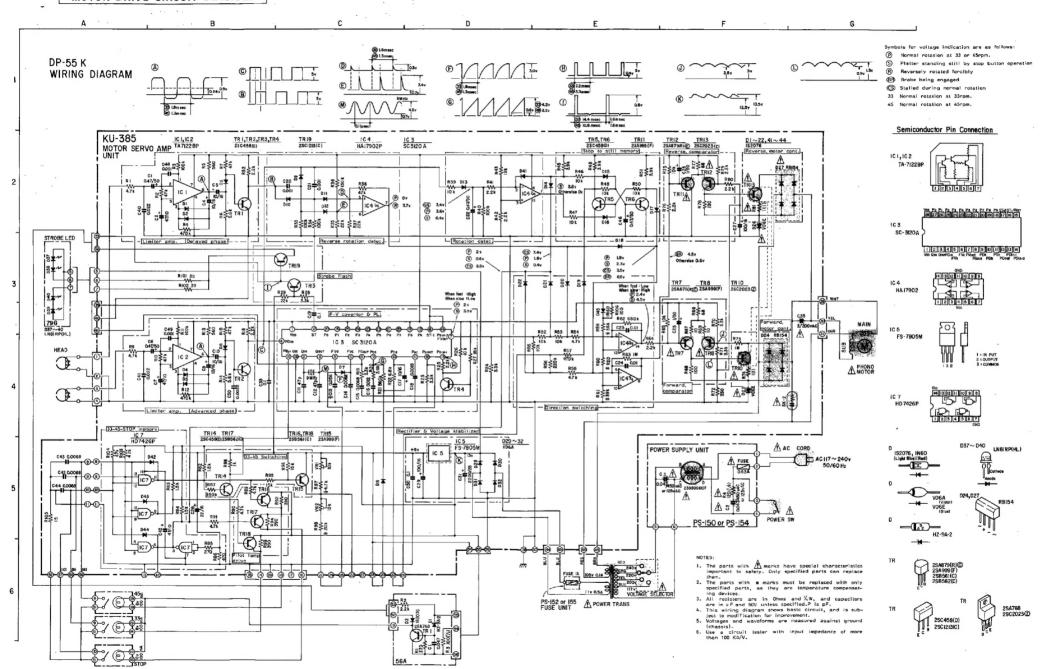
Although these models are provided with the voltage selector being preset to 240V, it cannot be operated by the user since it is blinded by the shield cover. However, in case the change of voltage setting is necessary, insert a screw driver into the voltage selector and turn it in either direction so that the desired voltage indicated on the selector is positioned at the cut-out marking as shown in figure below.

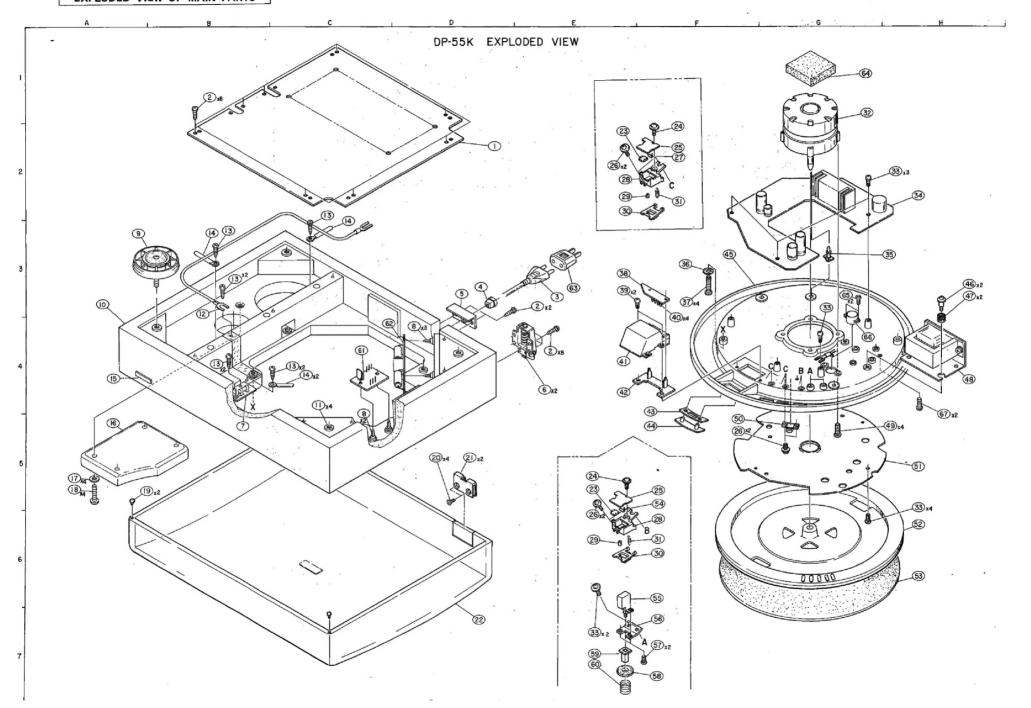


2 Canadian model

Although this model is provided with the voltage selector being preset to 120V, it cannot be operated by the user since it is blinded by the shield cover.

Since the Canadian model must comply with the CSA standards, the components directly connected to the power line are CSA recognized having 125VAC rating. Therefore, DO NOT change the voltage setting.







PARTS LIST OF EXPLODED VIEW

	Ref. No.	Part No.	Part Name	Remarks
	1	1058062002	BOTTOM PLATE	
	2	4733309032	3x16 CBTS (1)	
Δ	3	2006019307	ACROWER CORL	zAUstraliae model
		2062019008	ACPOWER CORD	Canadian model
	4	2062026006	ACPOWER CORD	PUKUDU KA
		2062002031	AC POWER CORD	Ottom medie (*)
Δ	4	MD-2982H - MD-3802	BUSHING E	
			BUSHING.	ganadan medali egan merek Sa
Δ	5	4418551008	BUSHING PLATE (F) (C	C. W. Sanora, 12
			BUSHING PLATE (G)	
	6	FTS0700H	HINGE	Control of the Contro
Λ	7	-PS-155	PUSE UNIT	, Cinadapeno (di
		PS-152	HUSE UNIT	Gallerament listere
	8	4498041004	C.B. LOCKING SUPPORT	
	9	1048024403	INSULATOR	
	10	1018225203	CABINET SUB ASS'Y	
	11	FSC0102	SPECIAL NUT (A)	
	12	FEP1206	EARTH WIRE	44
	13	4730406019	3x12 CBRTS (1)	
	14	EP-4772	CORD HOLDER	
	15 16	FPR04641 1018227007	DENON MARK ARM BOARD	
	17	FWA0061	WASHER	
	18	4714414030	4×35CTS	
	19	4628006107	BUSHING	
	20	4712404055	4x8 CFS	
	21	FIS0701	HINGE PLATE	
	22	FMD0526J	DUST COVER ASS'Y	
	23	2129059008	PUSH SWITCH	
	24	4700026005	3x8 CBRTS W	
	25 26	KU-390 4700010011	SWITCH UNIT 3x8 CPS W	
	27	3930047033	PILOT LAMP (GREEN)	
	28	4498037102	SW, HOLDER	
	29	1298014108	BUTTON CUSHION	
	30	1138101100	PUSH BUTTON	
	31	4638009000	2F, COIL SPRING	
⚠	,82		MOTOR	
	33	4733800010	3x8 CBTS	
	34	KU-385	MOTOR SERVO AMP UNIT	
	35	4498046009	C.B.L. SUPPORT	
	36	4753202009	4-TW	
	37	4713411018	4x25 CBS STROBE LED P.C.	
	38	KU-385	BOARD	A part of KU-385
	39	4733800023	3×10 CBTS	
	40	3939041001	LED	
	41	1468058208	MIRROR CASE ASS.	
	42 43	4498038004 4148022001	LED. HOLDER BLIND	
	44	1468051001	STROBO, WINDOW	
	45	4468078104	MOTOR BOARD ASS'Y	
	46	4770192008	SPECIAL SCREW	
	47	4620027003	RUBBER BUSH	
Δ	48		POWER THANS	
	49	4713406010	4x12 CBS	
	50	3918425004	MAGNETIC HEAD ASS.	8.61.1
	51	4148126004	SHIELD PLATE	Multi-voltage model
		4148102109	SHIELD PLATE	Other models
	52	4218074206	RECORDED	
			TURNTABLE	
	53	4218094040	RUBBER SHEET	
	54	3930047046	PILOT LAMP (WHITE)	

Ref. No.	Part No.	Part Name.	Remarks
6.55	2129136028	POWER SWITCH 22	Cella (hije. 1)
	2129136015	POWER SWITCH	Commenter.
56	4418532108	PUSH SW. BRACKET	
57	4713303016	3x6 CBS	
58	4618094006	CUSHION	
59	1138100101	PUSH KNOB	
60	4638606005	SPRING	
61	PS-150	REGULATOR P.C. BOARD	A part of PS-150 or 154
62	PS-154	POWER SUPPLY UNIT	
7	PS-150	POWER SUPPLY CONT.	John Bonelsk
63	2033902005	PLUG ADAPTOR	
64	4618067004	PAD	
65	4713203019	2.6x6 CBS	
66	2123315010	VOLTAGE SELECTOR	
67	4770031020	4x20 CBS (R)	

 ⚠ WARNING:

Shaded parts are important to SAFETY.

Replace always with same type, same

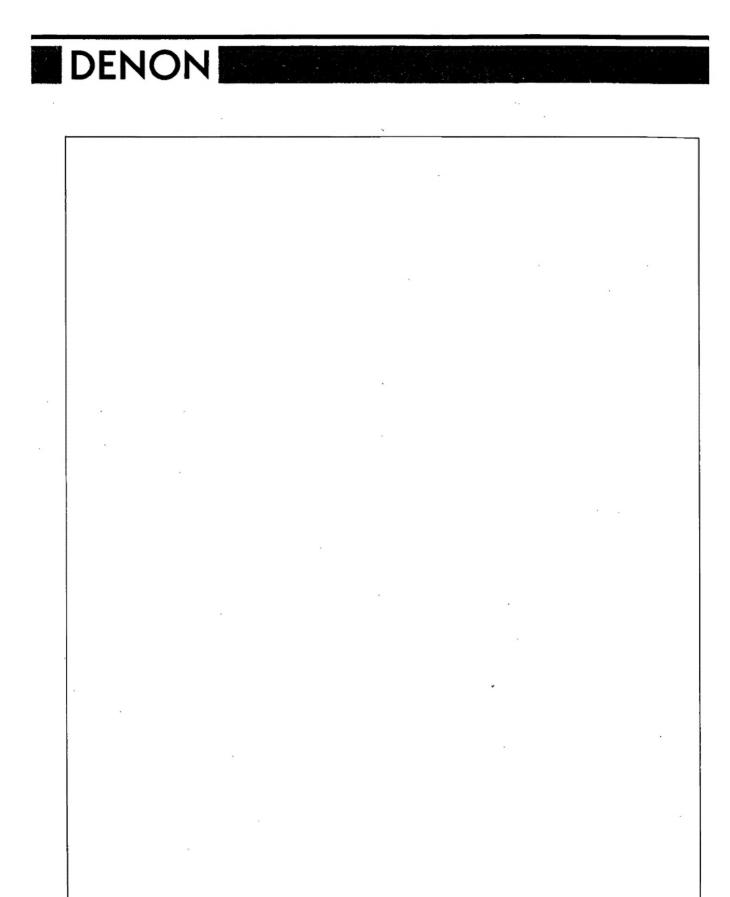
rating.

ACCESSORIES GROUP

Part No.	Part Name	Remark
5298006002	45 ADAPTOR	
4218094040	RUBBER SHEET	
2033902005	PLUG ADAPTOR	
5158017005	CABINET TAG	
5118152007	INSTRUCTION MANUAL	ļ
5138146006	RATING SHEET	
5158036109	CAUTION SHEET	
5158030008	PRESET LABEL	

CARTON CASE GROUP

Part No.	Part Name	Remark
5018174004	CARTON CASE ASS'Y	
FPC0302H	PACKING	
5058092007	LAMINATE ENVELOPE	600x 700mm
5058006019	ENVELOPE	255x380mm
		0,03t
5058023018	ENVELOPE	350x640mm
		0.05t



NIPPON COLUMBIA CO., LTD. No. 14-14, 4-CHOME AKASAKA, MINATO-KU, TOKYO JAPAN

TEL: 03-584-8111 TLX: JAPANOLA J22591